



# Personal Monitoring System

## ChemExpress™ Nitrous Oxide Monitor with Pre-paid Laboratory Analysis

### INSTRUCTIONS FOR USE

#### DESCRIPTION

ChemExpress™ Personal Monitoring System is designed to measure exposure to chemicals to demonstrate compliance with Permissible Exposure Limits (PELs) and Short Term Exposure Limits (STELs) defined by the Occupational Safety and Health Act of 1970. After use the Monitor is returned to the Laboratory for analysis. A report will be transmitted to the address you specify on the *Lab Request Form*. The enclosed *Technical Insert* contains product specifications.

The ChemDisk™ Monitor Pack contains:

- Monitors (in pouches) & attachment Clips
- Return Containers (round plastic container) and Return Pouches (empty foil pouch)
- *Instructions for Use* (this text)
- *Technical Insert* (colored sheet)
- *Lab Request Forms (LRF)*. Find help with filling out LRF at [http://www.assaytech.us/lrf\\_help.htm](http://www.assaytech.us/lrf_help.htm)

#### IMPORTANT

- Do not open foil pouch until ready for use.
- Before opening, read *Instructions for Use*.
- Do Not Use after Expiration Date.
- Record Monitor ID printed on back of Monitor.



#### A. Identify Components and Assign Monitors

1. Choose a Monitor for each person to be monitored.
2. Open Foil Pouch and remove Monitor.
3. Discard pouch and product conditioners.
4. Locate Monitor ID Numbers printed on back of Monitor.
5. Enter Monitor ID No. and Sample ID (up to 30 characters) on Lab Request Form.
6. Begin Sampling as indicated below within one hour of opening the Foil Pouch.

#### B. Begin Sampling

1. Attach clip to Monitor.
2. Open Flip-Top Sampler Cap to reveal sampling holes.
3. Clip Monitor to pocket or lapel of person monitored near the breathing zone.
4. Record Sampling Date and Start Time on Lab Request Form.
5. Refer to *Technical Insert* for recommended Sampling Time.



### C. End Sampling

1. At the end of Sampling Time, remove Monitor.
2. Close the Flip-Top Sampler cap securely. (See below).
3. Remove attachment clip and include in Return Pouch as proof of prepaid analysis.
4. Place closed Monitor in Return Container and close Return Container securely.
5. Record Stop Time (and Date, if applicable) on Lab Request Form.
6. Total Sampling Time (minutes) may be entered in place of Start and Stop Times.



Closing  
Monitor



Monitor  
Closed

### D. Complete Lab Request Form (LRF)

1. Enter Monitor ID# (printed on back of Monitor) on Lab Request Form.
2. Enter address information on Lab Request Form, or provide Contact Number and Lab Report will be sent to the person listed in database for that Contact Number.
3. Complete **all required information** on Lab Request Form.
4. Keep a copy of Lab Request Form for your records.

### E. Return Monitor to Analytical Laboratory

1. **Return colored clip with Monitor as proof of Pre-paid Lab Analysis.**
2. Place **1** Monitor in Return Container and 1 attachment clip in Return Pouch and close securely.
3. Refer to *Technical Insert* for maximum Holding Time allowable between sampling and lab analysis.
4. **For the most reliable sample handling and prompt turn-around, send via a trackable express service (UPS, FedEx, etc.) rather than the U.S. Mail.**
5. For analysis, Analytical Laboratory  
return Monitors to: 1382 Stealth Street  
Livermore, CA 94551

For **Technical Support**,  
call **TOLL FREE 1-800-833-1258**.

### WARRANTY

Products and services are subject to regular quality control programs and evaluation studies carried out under controlled conditions. While we pledge to work with each customer to establish field procedures which produce acceptable results, performance under all field conditions is not guaranteed. **As our sole warranty, we guarantee to repair or replace any product or repeat any service found defective prior to its expiration date or within one year of sale for non-dated items.**